

Title (en)

FERRITIC STAINLESS STEEL SHEET HAVING EXCELLENT HEAT RESISTANCE

Title (de)

FERRITISCHES EDELSTAHLBLECH MIT HERVORRAGENDER WÄRMEBESTÄNDIGKEIT

Title (fr)

TÔLE D'ACIER INOXYDABLE FERRITIQUE PRÉSENTANT UNE EXCELLENTE RÉSISTANCE À LA CHALEUR

Publication

EP 2966187 A1 20160113 (EN)

Application

EP 14761253 A 20140306

Priority

- JP 2013043975 A 20130306
- JP 2014055753 W 20140306

Abstract (en)

This ferritic stainless steel sheet contains, in terms of % by mass, 0.02% or less of C, 0.02% or less of N, 0.10% to 0.60% of Si, 0.10% to 0.80% of Mn, 15.0% to 21.0% of Cr, more than 2.00% to 3.50% or less of Cu, 0.30% to 0.80% of Nb, 1.00% to 2.50% of Mo, and 0.0003% to 0.0030% of B, with a remainder being Fe and unavoidable impurities, wherein a maximum particle size of μ -Cu that is present in a structure is 20 nm to 200 nm.

IPC 8 full level

C22C 38/00 (2006.01); **C21D 1/84** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/20** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/30** (2006.01); **C22C 38/32** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/48** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP US)

C21D 1/84 (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0236** (2013.01 - US); **C21D 9/46** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/004** (2013.01 - EP US); **C22C 38/005** (2013.01 - US); **C22C 38/008** (2013.01 - US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - US); **C22C 38/20** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - US); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - US); **C22C 38/30** (2013.01 - US); **C22C 38/32** (2013.01 - EP US); **C22C 38/42** (2013.01 - US); **C22C 38/44** (2013.01 - US); **C22C 38/48** (2013.01 - US); **C22C 38/54** (2013.01 - US)

Cited by

CN115612918A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2966187 A1 20160113; **EP 2966187 A4 20161012**; **EP 2966187 B1 20180502**; CN 104968818 A 20151007; CN 104968818 B 20170908; ES 2678876 T3 20180820; JP 6205407 B2 20170927; JP WO2014136866 A1 20170216; KR 101692660 B1 20170103; KR 20150103212 A 20150909; PL 2966187 T3 20181130; US 10450623 B2 20191022; US 2015376733 A1 20151231; WO 2014136866 A1 20140912

DOCDB simple family (application)

EP 14761253 A 20140306; CN 201480006916 A 20140306; ES 14761253 T 20140306; JP 2014055753 W 20140306; JP 2015504376 A 20140306; KR 20157020744 A 20140306; PL 14761253 T 20140306; US 201414766296 A 20140306